

Product datasheet for **RC221729L3V**

NEK1 (NM_012224) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	NEK1 (NM_012224) Human Tagged ORF Clone Lentiviral Particle
Symbol:	NEK1
Synonyms:	ALS24; NY-REN-55; SRPS2; SRPS2A; SRTD6
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_012224
ORF Size:	3774 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC221729).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_012224.1
RefSeq Size:	5501 bp
RefSeq ORF:	3777 bp
Locus ID:	4750
UniProt ID:	Q96PY6
Cytogenetics:	4q33
Protein Families:	Druggable Genome, Protein Kinase
MW:	142.6 kDa



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Gene Summary:

The protein encoded by this gene is a serine/threonine kinase involved in cell cycle regulation. The encoded protein is found in a centrosomal complex with FEZ1, a neuronal protein that plays a role in axonal development. Defects in this gene are a cause of polycystic kidney disease (PKD). Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2010]